Patent Abstracts of Japan

PUBLICATION NUMBER : 62138502
PUBLICATION DATE : 22-06-87

APPLICATION DATE : 13-12-85
APPLICATION NUMBER : 60279198

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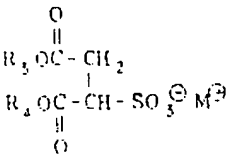
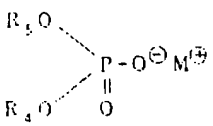
INT.CL. : C08F 8/00 C07K 17/08 C12N 11/08
G01N 33/545 // C12Q 1/00

TITLE : POLYMER PARTICLE



I



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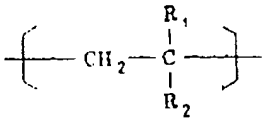

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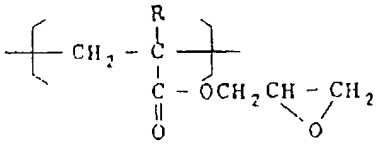

IV

ABSTRACT : PURPOSE: To obtain polymer particles having excellent storage stability and extremely stable in aqueous medium, by adsorbing an ionic organic compound having plural straight-chain hydrophobic groups and ionic groups to latex particles.

CONSTITUTION: An ionic organic compound having plural straight-chain hydrophobic groups (e.g. 4~30C straight-chain alkyl, straight-chain alkenyl, etc.) and ionic groups [e.g. the compound of formula I (R_3 and R_4 are 4~30C straight-chain alkyl, etc.; M is atom or atomic group capable of forming cation] is adsorbed to a latex particle to obtain the objective polymer particle. The latex particle preferably contains a hydrophobic vinyl monomer unit of formula III (R_1 is H or alkyl; R_2 is halogen, phenyl, alkoxy, etc.) and/or monomer unit of formula IV (R is H or alkyl).